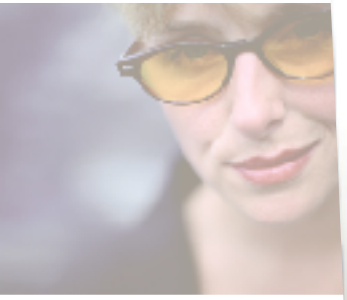
Your Gateway 30" LCD TV

user's guide



Setting up | Troubleshooting | Gateway

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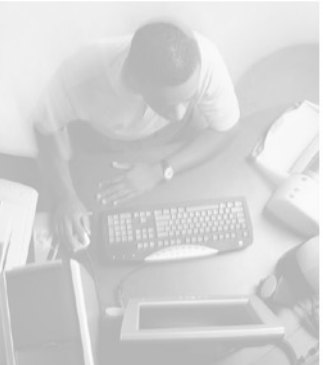
Introducing Your Gateway LCD TV

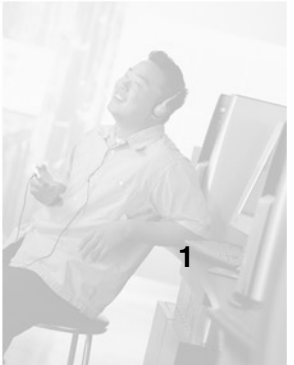
1

This chapter provides basic information about your Gateway LCD TV.

Read this chapter to learn about:

- Features
- Warnings and safeguards
- Package contents
- Controls and connections





Features

Your LCD TV features:

- A bright, flicker-free image
- Automatic detection and conversion of film content for correct display with minimal motion artifacts (noise)
- Accurate color processing
- Two component video input sources that automatically synchronize the display to match the incoming source
- Picture-in-picture (PIP), picture-on-picture (POP), and picture-by-picture (PBP) modes that let you watch two programs simultaneously
- HDTV signal compatibility using an external HDTV decoder with component video outputs
- Digital zoom mode
- A built-in BBE® sound processor that maximizes the sound quality
- A built-in SRS® sound processor that simulates “surround” effects using only two speakers
- Connections for adding optional speakers
- A built-in Digital Visual Interface (DVI) to eliminate the need for digital-to-analog conversion
- 1280 × 1024 SXGA support for computer input
- 480p support for EDTV signals
- 720p and 1080i support for HDTV signals

Important Safeguards

Warning

Risk of electric shock - Do not open

To reduce the risk of electric shock, do not remove the back cover. There are no user-serviceable parts inside. Removing the back cover voids the warranty.

Have your LCD TV repaired by qualified service personnel only.

Warnings and precautions

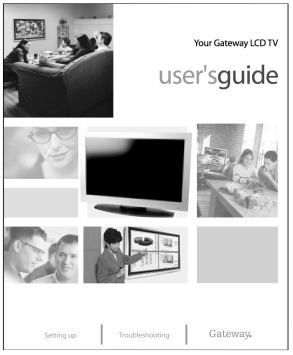
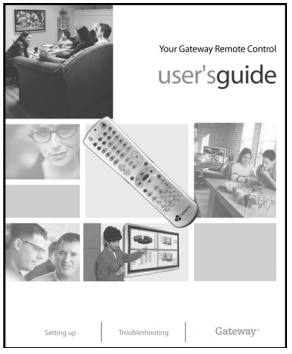
- Do not place your hands, face, or objects close to the ventilation openings of your LCD TV. The top of your LCD TV gets very hot from exhaust air that is released through the ventilation openings. Burns or personal injuries may occur if you are too close to the LCD TV. Damage may occur if you place any object near the top of your LCD TV.
- Disconnect all cables before moving your LCD TV. Moving your LCD TV with its cables attached may damage the cables and cause fire or electric shock danger.
- Do not expose your LCD TV to rain or moisture.
- Keep your LCD TV away from excessive dust, high temperatures, moisture, or direct sunlight.
- Use your LCD TV in a well-ventilated area and do not cover the ventilation openings.
- Do not modify your LCD TV or use an unshielded power cord or video input source cable, or you may experience excessive interference.
- Disconnect your LCD TV and unplug the power cord when the TV is not used for a long period of time.
- If the picture displayed is in any way abnormal, turn off your LCD TV, then disconnect it from the electrical outlet. Make sure that your video input source cable is connected correctly, then reconnect your LCD TV to the electrical outlet.
- Disconnect your LCD TV from the electrical outlet before cleaning or performing maintenance. Do not use liquid or aerosol cleaners. Use only a slightly damp cloth for cleaning.
- Do not place your LCD TV on an unstable cart, stand, or table. Your LCD TV may fall, causing serious damage.

- Do not place your LCD TV on a bed, sofa, rug, or other similar surfaces.
- Never place your LCD TV near or over a radiator or heat source.
- Do not install your LCD TV in an enclosed area unless correct ventilation is provided.
- Your LCD TV should be operated from the type of power source indicated on the label. If the type of available power is unknown, consult your electrician or local power company.
- Your LCD TV is equipped with a 3-pin grounded plug. The plug will only fit into a grounded power outlet. This is a safety feature. If you cannot plug the power cord into the outlet, contact your electrician. Do not alter the plug because this will defeat the safety feature.
- Do not rest objects on the power cord and avoid placing the power cord near high traffic areas.
- Do not overload wall outlets and extension cords because this can result in a risk of fire or electric shock.
- Unplug your LCD TV and contact qualified service personnel if:
  - The power cord or plug is damaged or frayed.
  - Liquid has been spilled into your LCD TV.
  - Your LCD TV has been exposed to water or moisture.
  - Your LCD TV does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions. Incorrect adjustment of other controls may result in damage which often requires extensive work by a qualified technician to restore your LCD TV to normal operation.
  - Your LCD TV has been dropped or the cabinet has been damaged.

Package contents

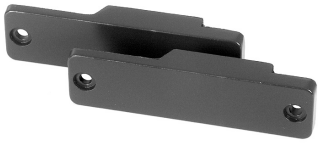
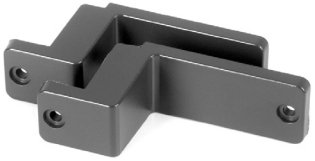
Along with your LCD TV, the packaging box contains the following items:

Remote control	
Two AA batteries	
CATV cable	

Composite cable (AV cable)	
Power cord	
User guide	
Remote control user guide	

Optional speaker package contents

Along with your optional speakers, the speaker packaging box contains the following items:

Mounting brackets	 - And - 
Screws	
Audio cables	

Accessories

You can purchase these optional accessories for your LCD TV:

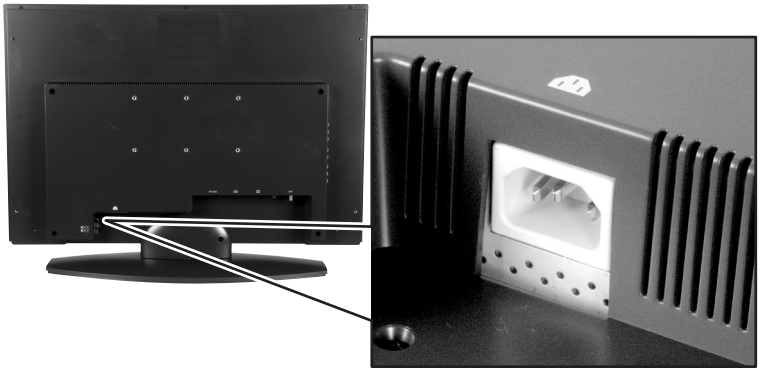
- **Cable kits**. Gateway cable kits consist of high-quality gold cables of various lengths, including:
  - DVI-D video cable
  - RCA audio cable
  - RCA component video cable
  - RCA composite video cable
  - S-Video cable
  - VGA video cable
- **Speakers.** Two 8 watt speakers that can be mounted to your LCD TV.
- **Wall mount kit.** The wall mount kit contains all of the required hardware for mounting your LCD TV on your wall. (Gateway recommends you use a qualified installer.) For more information, see the Wall Mount Installation Guide at www.support.gateway.com/support/manlib/.

Contact Gateway for these and other accessories.

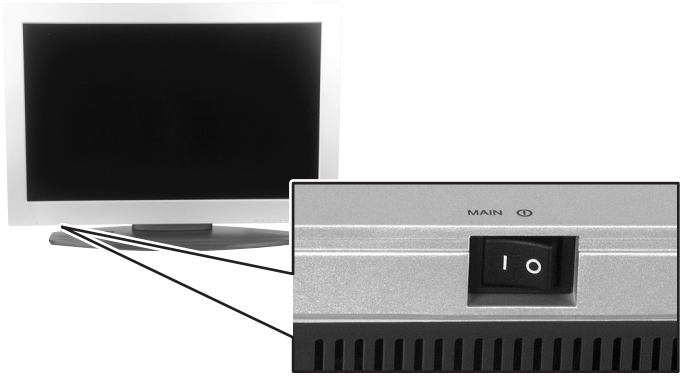
Turning on the main power

To turn on the power:

1 Connect the power cord to the power cord connector on the back of your LCD TV, then plug the other end of the power cord into a correctly grounded electrical outlet or surge protector.



2 Press the **MAIN** switch. The status LED on the front turns yellow and your LCD TV is ready to turn on.

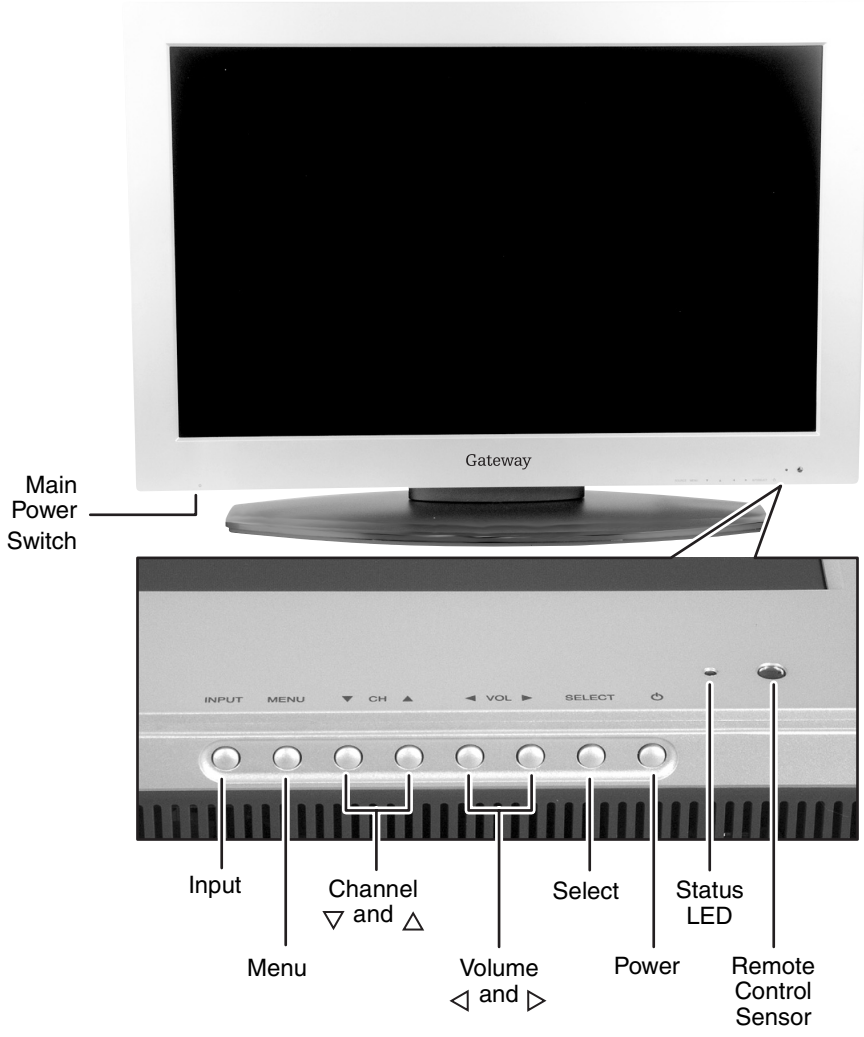


3 Press the ⏻ button on the front of your LCD TV. The Status LED on the front turns green.

Warning

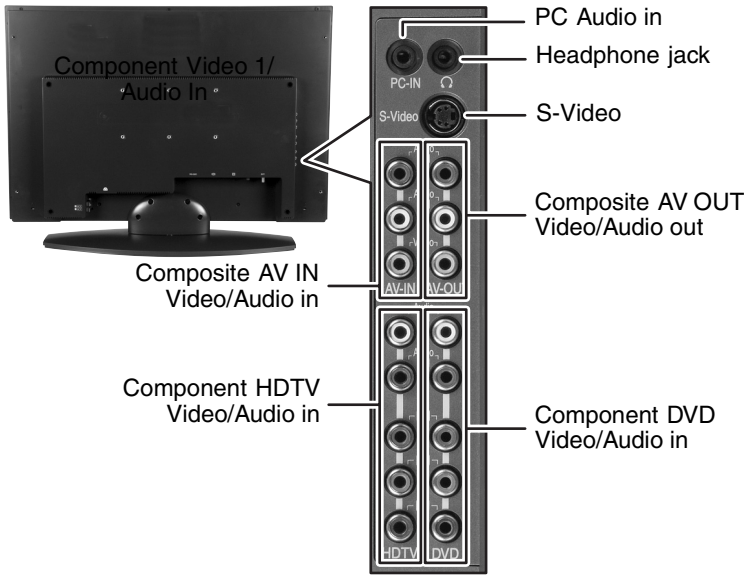
For added protection during a lightning storm or when it is left unattended or unused for long periods of time, unplug your LCD TV from the wall outlet and disconnect the antenna or cable system.

Front panel controls

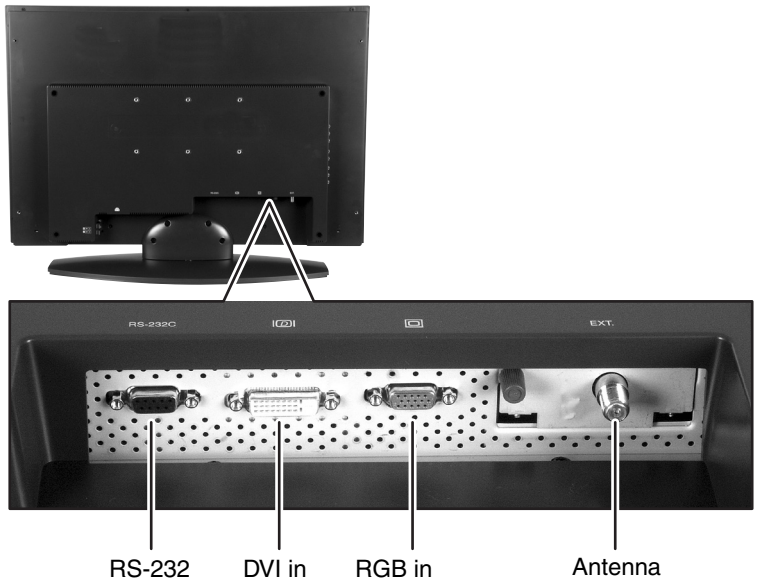


Button	Description
Main power switch	Turns main power off and on.
Input	Switches between available input sources.
Menu	Opens and closes the OSD.
Channel ▽ and △	Changes the channel. OSD active: Selects on-screen display (OSD) options. For more information, see “Using the OSD” on page 30.
Volume ◁ and ▷	Increases or decreases the volume. OSD active: Adjusts on-screen display (OSD) options. For more information, see “Using the OSD” on page 30.
Select	Confirms selections in the OSD. For more information, see “Using the OSD” on page 30.
Power ⏻	Turns your LCD TV on and off after the MAIN switch is turned on. When you turn your LCD TV on or off, wait three seconds before pressing this button again.
Status LED	▪ Not lit - No AC power detected. The MAIN switch is off or the power cord is not connected. ▪ Solid Yellow - The MAIN switch is on and your LCD TV is off. ▪ Solid Green - Your LCD TV is on.
Remote control sensor	Receives signals from the remote control. Do not block.

Back connections



Connector	Description
Composite Video/Audio in	Connects to a composite audio/video device, such as a VCR or DVD player.
Component HDTV Video/Audio in	Connects to a component video device, such as an HDTV set-top box or progressive-scan DVD player. Supports 480i, 480p, 720p, and 1080i signals.
PC Audio in	Connects to your computer's audio out jack.
Headphone jack	Plug headphones in here. The optional speakers are disabled.
S-Video	Connects to an S-Video device, such as a VCR, satellite dish receiver, or digital cable box.
Composite Video/Audio out	Connects to a video device, such as a VCR.
Component DVD Video/Audio in	Connects to a component video device, such as a DVD player. Supports 480i signals only.



Connector	Description
RS-232	Connects to a computer using customized software (typically used by business, education, or government). For more information see the *RS-232 Serial Connection Technical Reference* at www.support.gateway.com/support/manlib/.
DVI in	Connects to a DVI video device, such as a computer or set-top box.
RGB in	Connects to an RGB video device, such as a computer or set-top box.
Antenna	Connects to a VHF/UHF antenna or cable TV.

Connecting Components

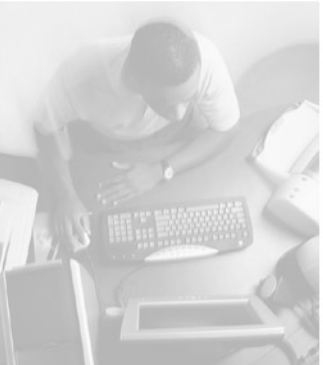
2

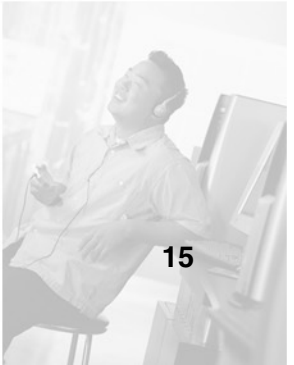
Read this chapter to learn how to connect:

- DVD players
- HDTV decoder set-top boxes
- VCRs
- Off-air TV and cable TV
- Speakers
- Computers

Warning

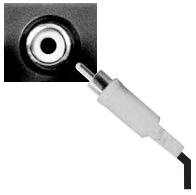
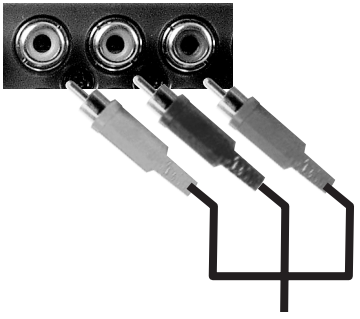
Before connecting any external components, unplug your LCD TV.





Understanding video connections

Your LCD TV has four types of standard video connections. You should use the best connection available to get the best display. For example, if your DVD player supports a component video connection, connect the DVD player to your LCD TV using component video instead of composite video or S-Video.

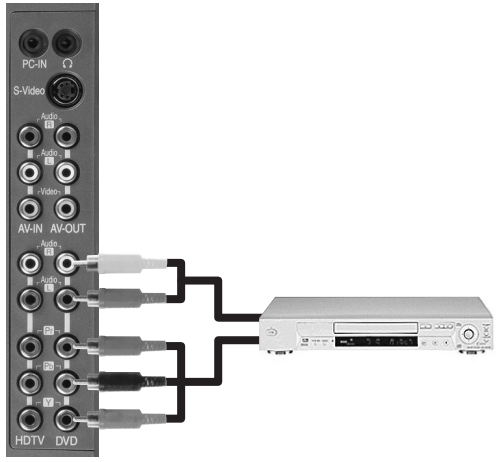
Connection Quality	Cable and Connector	Description
Basic		**Coaxial (RF).** The video and audio signals are both carried in one cable (the other three connection types only handle video, and require separate connections for sound). Coaxial is the only way to connect an antenna to your LCD TV.
Good		**Composite**. The video signal is carried through a single “pin.” This connection method is the one that is most commonly found on devices.
Better		**S-Video.** The video signal is split into two signals, black-and-white and color. Text displayed on-screen through this connection will be noticeably sharper then composite or coaxial (RF).
Best		**Component.** The video signal is split into three signals, two color, and one black-and-white. Use component video to take advantage of the superior picture provided by signal sources such as HDTV and *progressive* DVD.

Connecting your DVD player

If you have a progressive-scan DVD player, connect it using Component DVD Video/Audio in. Make sure that you set your DVD to interlaced mode. For information, see the documentation that came with your DVD player.

Using component DVD video

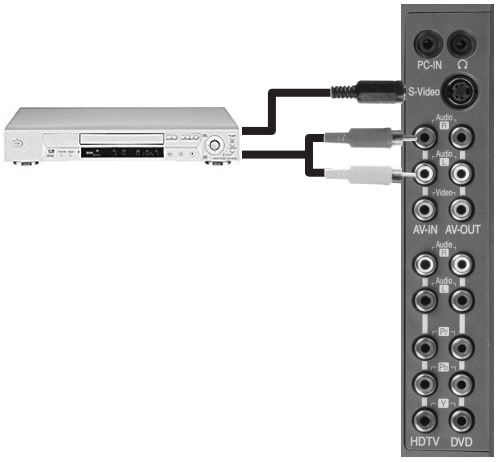
To connect your DVD player using component DVD video:



1. Connect the green-colored Y jack on the back of your DVD player to the green-colored DVD Y jack on the back of your LCD TV.
2. Connect the red-colored P_R or C_R jack on the back of your DVD player to the red-colored DVD P_R jack on the back of your LCD TV.
3. Connect the blue-colored P_B or C_B jack on the back of your DVD player to the blue-colored DVD P_B jack on the back of your LCD TV.
4. Connect the red (R) and white (L) audio jacks on the back of your DVD player to the DVD R and L audio-in jacks on the back of your LCD TV.
5. On the front of your LCD TV, press the **INPUT** button, **CHANNEL** ▽ and △ to select **DVD (Y, Cb, Cr)**, then press the **SELECT** button.

Using S-Video

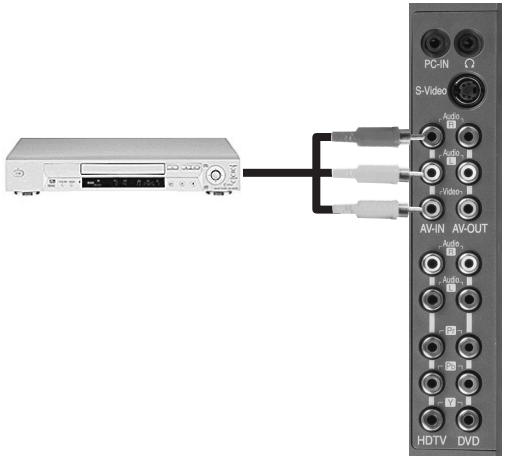
To connect your DVD player using S-Video:



1. Connect the S-Video jack on the back of your DVD player to the S-VIDEO jack on the back of your LCD TV.
2. Connect the red (R) and white (L) audio jacks on the back of your DVD player to the AV IN R and L audio-in jacks on the back of your LCD TV.
3. On the front of your LCD TV, press the **INPUT** button, **CHANNEL** ▽ and △ to select **VIDEO2 (S-VIDEO)**, then press the **SELECT** button.

Using composite video

To connect your DVD player using composite video:

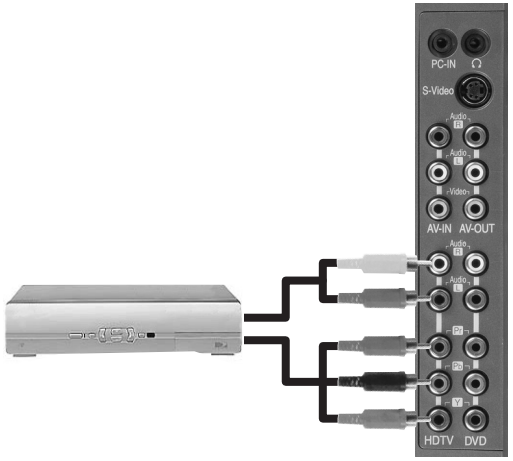


1. Connect the yellow video jack on the back of your DVD player to the yellow AV IN jack on the back of your LCD TV.
2. Connect the red (R) and white (L) audio jacks on the back of your DVD player to the AV IN R and L audio-in jacks on the back of your LCD TV.
3. On the front of your LCD TV, press the **INPUT** button, **CHANNEL** ▽ and △ to select **VIDEO1 (CVBS)**, then press the **SELECT** button.

Connecting your HDTV set-top box

Using component video

To connect your HDTV decoder set-top box using component video:

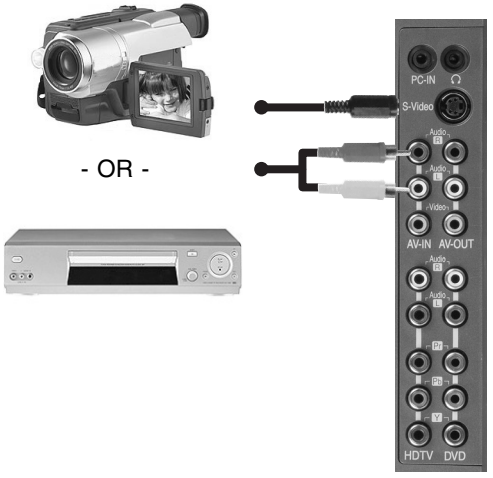


1. Connect the green Y jack on the back of your HDTV set-top box to the green HDTV Y jack on the back of your LCD TV.
2. Connect the red P_R or C_R jack on the back of your HDTV set-top box to the red HDTV P_R jack on the back of your LCD TV.
3. Connect the blue P_B or C_B jack on the back of your HDTV set-top box to the blue HDTV P_B jack on the back of your LCD TV.
4. Connect the red (R) and white (L) audio jacks on the back of your HDTV set-top box to the HDTV R and L audio-in jacks on the back of your LCD TV.
5. On the front of your LCD TV, press the **INPUT** button, **CHANNEL** ▽ and △ to select **HDTV (Y, Pb, Pr)**, then press the **SELECT** button.

Connecting your VCR or video camera

Using S-Video

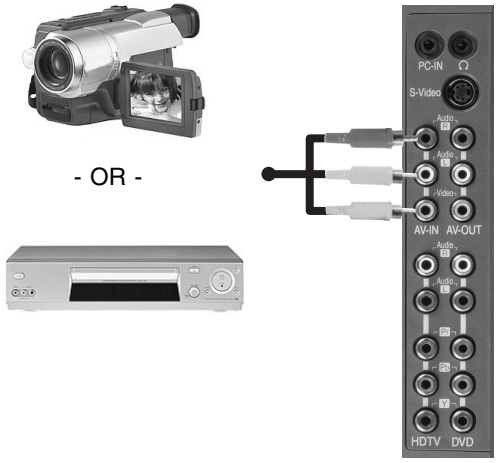
To connect your VCR or video camera using S-Video:



1. Connect the S-Video jack on the back of your VCR or video camera to the S-VIDEO jack on the back of your LCD TV.
2. Connect the red (R) and white (L) audio jacks on the back of your VCR or video camera to the AV IN R and L audio-in jacks on the back of your LCD TV.
3. On the front of your LCD TV, press the **INPUT** button, **CHANNEL** ▽ and △ to select **VIDEO2 (S-VIDEO)**, then press the **SELECT** button.

Using composite video

To connect your VCR or video camera using composite video:



1. Connect the yellow video jack on the back of your VCR or video camera to the yellow AV IN jack on the back of your LCD TV.
2. Connect the red (R) and white (L) audio jacks on the back of your VCR or video camera to the AV IN R and L audio-in jacks on the back of your LCD TV.
3. On the front of your LCD TV, press the **INPUT** button, **CHANNEL** ▽ and △ to select **VIDEO1 (CVBS)**, then press the **SELECT** button.

Using coaxial (RF)

To connect your VCR using coaxial (RF) audio and video:

1 Connect the "output to TV" (RF out or Antenna out) jack on the back of your VCR to the ANT jack on the back of your LCD TV.

2 On the front of your LCD TV, press the **INPUT** button, **CHANNEL** ▽ and △ to select **TV**, then press the **SELECT** button.

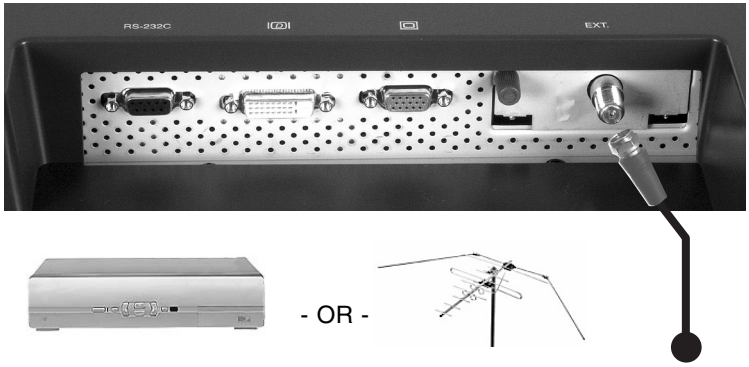
If you have an off-air antenna or cable box, connect your off-air antenna or cable TV cable to the ANT connector on the back of your VCR.

Warning

If an outdoor antenna or cable system is connected to your LCD TV, make sure that the antenna or cable system is correctly grounded. For more information, see "Television antenna connectors protection (for systems fitted with TV/cable TV tuner cards)" on page 47.

Connecting off-air TV or cable TV

To connect off-air TV or cable TV using coaxial (RF) audio and video:



1. Connect the coaxial (RF) connector from your antenna or cable box to the ANT connector on the back of your LCD TV.
2. On the front of your LCD TV, press the **INPUT** button, **CHANNEL** ▽ and △ to select **TV**, then press the **SELECT** button.

If you have connected a VCR to the ANT connector on the back of your LCD TV, connect your off-air TV or cable TV cable to the ANT connector on the back of your VCR.

Warning

If an outdoor antenna or cable system is connected to your LCD TV, make sure that the antenna or cable system is correctly grounded. For more information, see “Television antenna connectors protection (for systems fitted with TV/cable TV tuner cards)” on page 47.

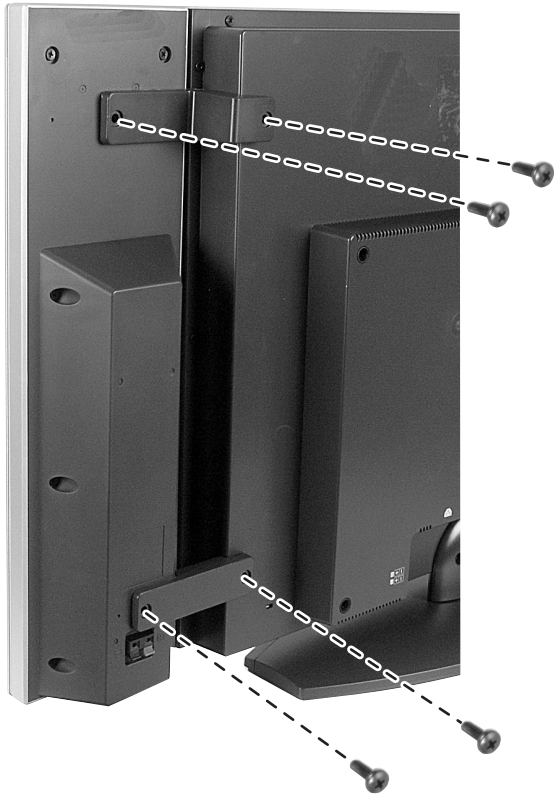
Connecting speakers

You can connect your LCD TV to a set of optional speakers using the SPEAKER jacks located on the back of your LCD TV.

Leave the speakers free-standing with the attached speaker stands, or mount them to the sides of your LCD. Make sure that you remove the stands before mounting the speakers to the sides of your LCD TV.

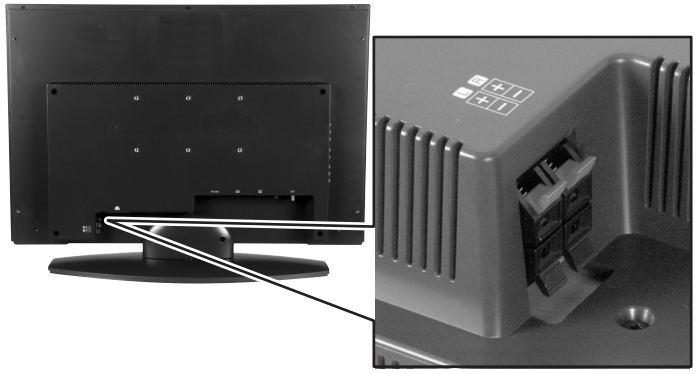
To mount the optional speakers:

1 Secure the left speaker using one of each of the mounting brackets and four (4) of the screws that came with the speakers.



2 Secure the right speaker using one of each of the mounting brackets and four (4) of the screws that came with the speakers.

To connect the optional speakers:

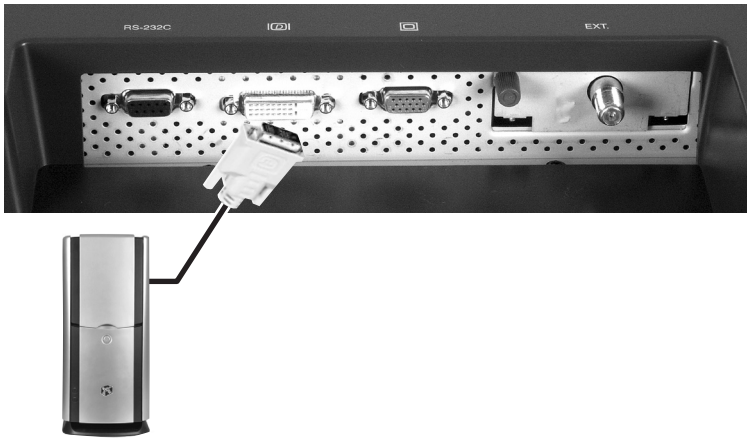


- Connect the audio jacks on the back of your speakers to the matching jacks on the back of your LCD TV.

Connecting a computer

Using DVI video

To connect your computer using DVI video:



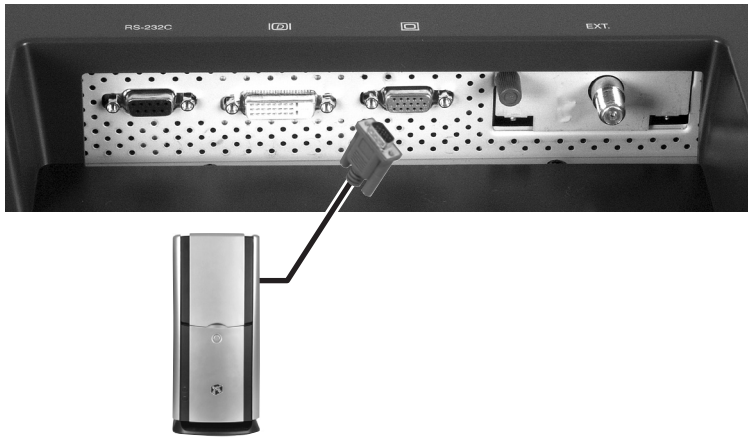
1 Connect the DVI connector on your computer to the DVI-In connector on the back of your LCD TV.

2 Connect the Audio Out jack on your computer to the PC Audio In jack on the back of your LCD TV. See “Back connections” on page 13 for the location of the PC Audio In jack.

3 On the front of your LCD TV, press the **INPUT** button, **CHANNEL** ▽ and △ to select **DVI DIGITAL**, then press the **SELECT** button.

Using RGB video

To connect your computer using RGB video:



1 Connect the 15-pin D-Sub RGB connector on your computer to the RGB-IN connector on the back of your LCD TV.

2 Connect the Audio Out jack on your computer to the PC Audio In jack on the back of your LCD TV. See “Back connections” on page 13 for the location of the PC Audio In jack.

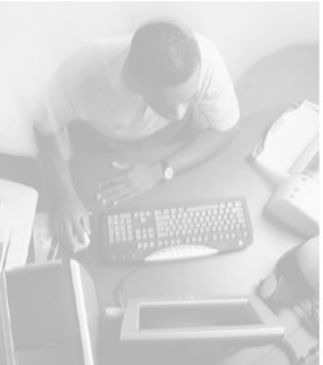
3 On the front of your LCD TV, press the **INPUT** button, **CHANNEL** ▽ and △ to select **DSUB ANALOG**, then press the **SELECT** button.

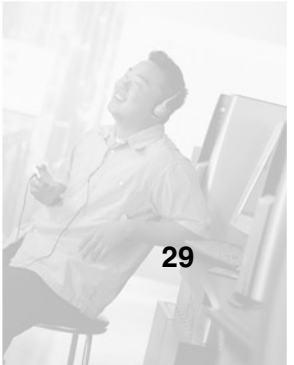
Adjusting Your LCD TV Settings

3

Read this chapter to learn how to adjust your LCD TV settings from the on-screen display (OSD).

You can also use your remote control to change some settings. For more information, see *Your Gateway Remote Control User's Guide*.





Using the OSD

Your LCD TV features an on-screen display (OSD) that lets you adjust and save contrast, brightness, and other settings. Your LCD TV saves changes you make to the settings, even if you turn off your TV.

To adjust settings from the OSD:

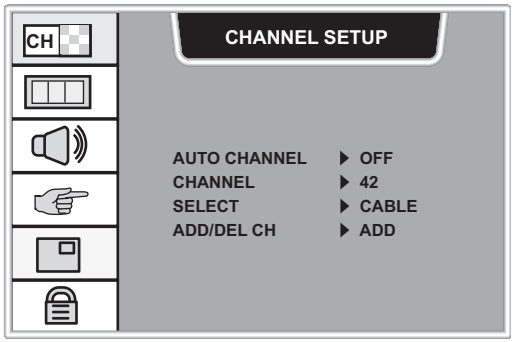
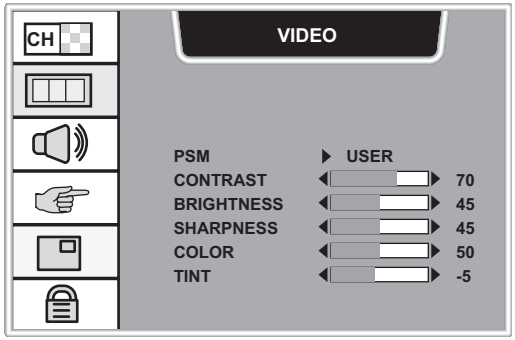
1. Press the **MENU** button on the front of your LCD TV. The OSD opens.
2. Press the **CHANNEL** ▽ and △ buttons on the front of your LCD TV to select the menu you want.
3. Press the **SELECT** button on the front of your LCD TV to open the menu.
4. Press the **CHANNEL** ▽ and △ buttons on the front of your LCD TV to select the menu option you want.
5. Press the **VOLUME** ◁ or ▷ buttons on the front of your LCD TV to adjust the option setting.
6. Press the **SELECT** button on the front of your LCD TV to return to the previous menu option.

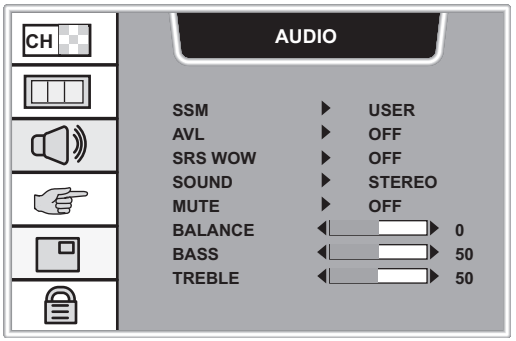
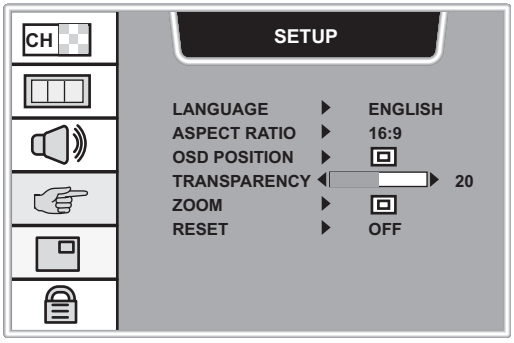
   - OR -

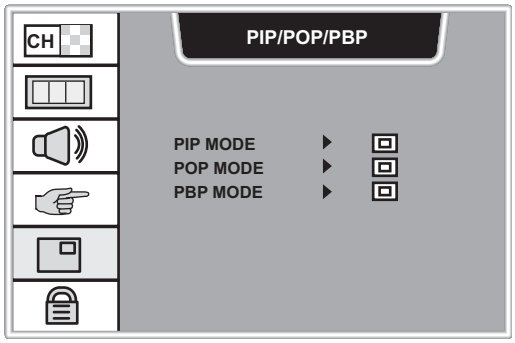
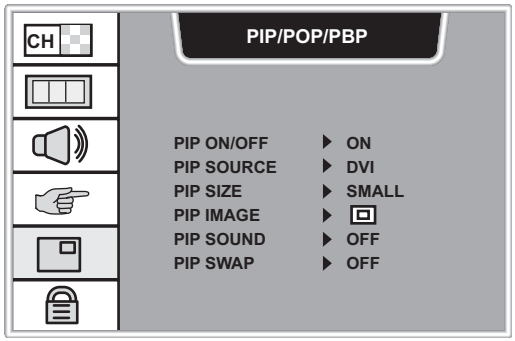
   Press the **EXIT** button to close the OSD.

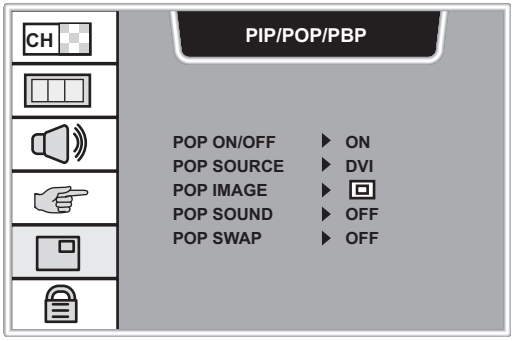
OSD menus and options

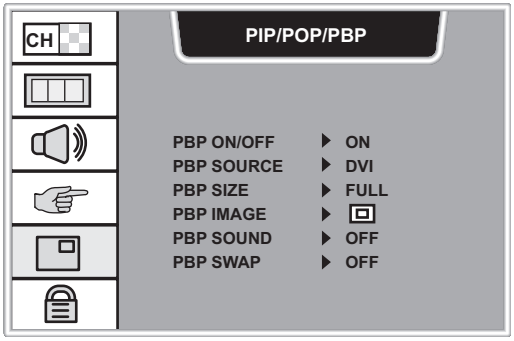
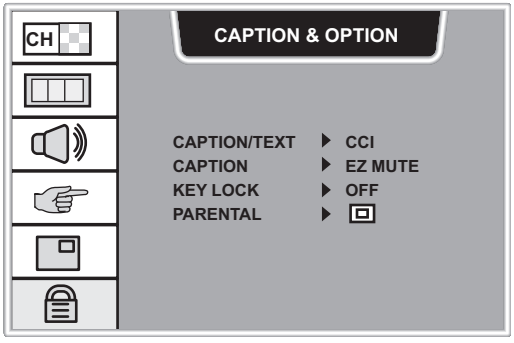
You can use these OSD menus and options to adjust various settings for your LCD TV.

OSD Menu	Description
CHANNEL SETUP 	This menu is only available in TV mode. **AUTO CHANNEL.** When this option is selected, your LCD TV adds all channels that have a signal to the channel list. **CHANNEL.** Changes the TV channel. **SELECT.** Sets the source for the tuner. Select CABLE (for cable or a satellite dish) or ANTENNA. **ADD/DEL CH.** Adds or removes the current channel to the channel list.
VIDEO 	**PSM.** Choose between USER, GAME, STANDARD, DYNAMIC, MILD preset video modes. **CONTRAST.** Adjusts the contrast of the picture. The PSM option must be set to USER to use this option. **BRIGHTNESS.** Adjusts the brightness of the picture. The PSM option must be set to USER to use this option. **SHARPNESS.** Adjust the amount of detail enhancement. The PSM option must be set to USER to use this option. **COLOR.** Adjusts the color saturation making colors more intense. The PSM option must be set to USER to use this option. **TINT.** Adjusts the color of flesh tones. The PSM option must be set to USER to use this option.

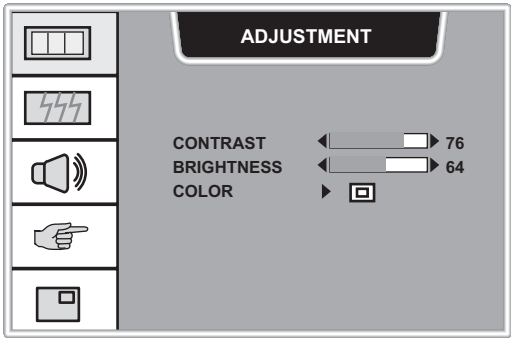
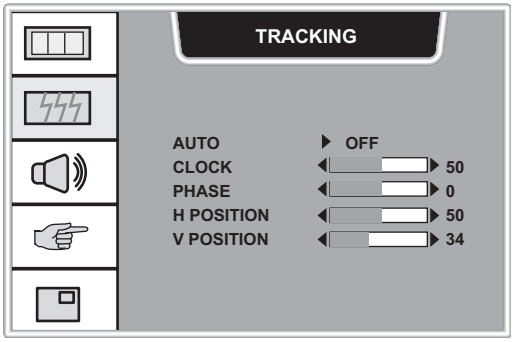
OSD Menu	Description
AUDIO 	**SSM.** Choose between USER, FLAT, MOVIE, MUSIC and SPORTS preset audio modes. **AVL.** Automatic volume leveling keeps volume levels the same between different programs. **SRS WOW.** Simulates surround sound. **SOUND.** Changes the sound output for TV programs. Switch between STEREO, SAP (Second Audio Program), or MONO for audio simulcasts. The TV program must support the output option. **MUTE.** Turns the sound on and off. **BALANCE.** Adjusts the balance level between the speakers. **BASS.** Adjusts the bass. The SSM option must be set to USER to use this option. **TREBLE.** Adjusts the treble. The SSM option must be set to USER to use this option.
SETUP 	**LANGUAGE.** Changes the language of the OSD menu. Choose between English, German, French, Spanish, Italian, or Korean. **ASPECT RATIO.** Adjusts the screen width to 1:1, 16:9, 4:3 or PANORAMA viewing mode. **OSD POSITION.** Adjusts the position of the OSD within the display image. **TRANSPARANCY.** Adjusts the OSD menu background transparency. **ZOOM.** Moves or stretches the display image when the screen width is set to 16:9 mode. **RESET.** Resets picture settings to the factory default.

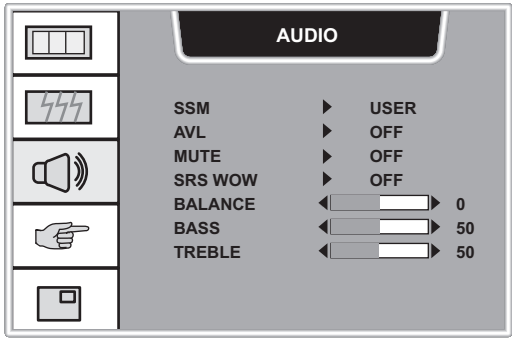
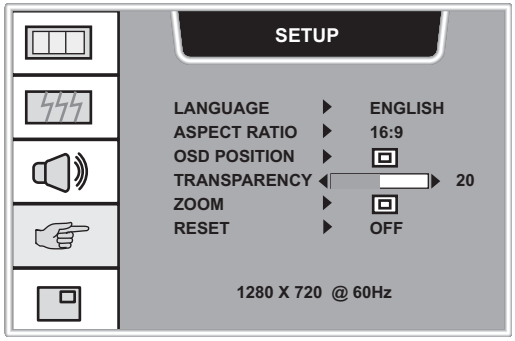
OSD Menu	Description
PIP/POP/PBP 	**PIP MODE.** Selects the PIP (picture-in-picture) sub-menu. **POP MODE.** Selects the POP (picture-on-picture) sub-menu. **PBP MODE.** Selects the PBP (picture-by-picture) sub-menu.
PIP MODE sub-menu 	**PIP ON/OFF.** Turns PIP mode on or off. When PIP is turned on, you can display two pictures at one time. One picture is displayed on the full screen and the other picture is displayed in a small window. The picture on the full screen is the main picture. The picture in the window is the sub-picture. For information about PIP/POP/PBP video sources, see “Using PIP/POP/PBP” on page 40. **PIP SOURCE.** Changes the video input source of the sub-picture when PIP is turned on. **PIP SIZE.** Changes the size of the sub-picture. **PIP IMAGE.** This option controls: ▪ **PIP POSITION.** Moves the sub-picture within the screen. ▪ **PIP CONTRAST.** Adjusts the contrast of the sub-picture. ▪ **PIP BRIGHTNESS.** Adjusts the brightness of the sub-picture. **PIP SOUND.** Controls the audio of the sub-picture. **PIP SWAP.** Swaps the main picture and the sub-picture.

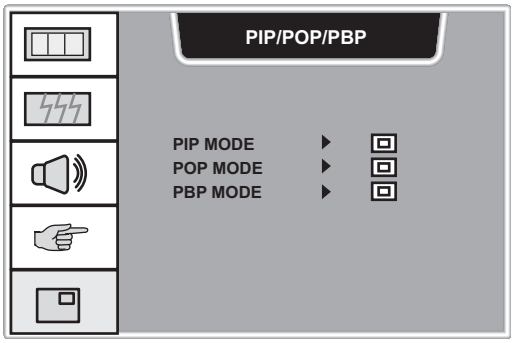
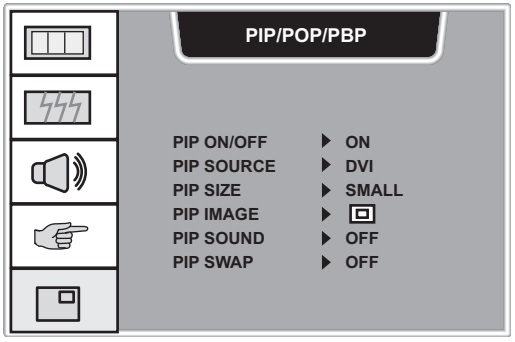
OSD Menu	Description
POP MODE sub-menu  	**POP ON/OFF.** Turns POP mode on or off. When POP is turned on, the screen is split into two pictures. The picture on the left side of your screen is the main picture. The smaller picture on the right side of the screen is the sub-picture. For information about PIP/POP/PBP video sources, see “Using PIP/POP/PBP” on page 40. **POP SOURCE.** Changes the video input source of the sub-picture when POP is turned on. **POP IMAGE.** This option controls: ▪ **POP CONTRAST.** Adjusts the contrast of the sub-picture. ▪ **POP BRIGHTNESS.** Adjusts the brightness of the sub-picture. **POP SOUND.** Controls the audio of the sub-picture. **POP SWAP.** Swaps the main picture and the sub-picture.

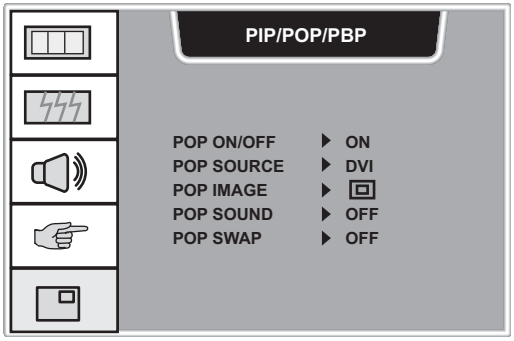
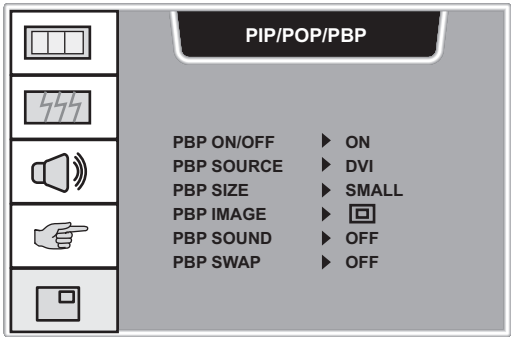
OSD Menu	Description
PBP MODE sub-menu 	**PBP ON/OFF.** Turns PBP mode on or off. When PBP is turned on, the screen is split into two equal pictures. The picture on the left side of your screen is the main picture. The picture on the right side of the screen is the sub-picture. For information about PIP/POP/PBP video sources, see “Using PIP/POP/PBP” on page 40. **PBP SOURCE.** Changes the video input source of the sub-picture when PBP is turned on. **PBP SIZE.** Changes the screen width from FULL to 4:3 for the main picture and sub-picture. **PBP IMAGE.** This option controls: ▪ **PBP CONTRAST.** Adjusts the contrast of the sub-picture. ▪ **PBP BRIGHTNESS.** Adjusts the brightness of the sub-picture. **PBP SOUND.** Controls the audio of the sub-picture. **PBP SWAP.** Swaps the main picture and the sub-picture.
CAPTION & OPTION 	**CAPTION/TEXT.** Selects the closed captioning text option. **CAPTIONS.** Turns captioning on and off. EZ MUTE automatically turns captioning on when your LCD TV is muted. **KEY LOCK.** Locks out all buttons on the front of your LCD TV except the power button. When this option is on, you need to use the remote control to control your LCD TV. **PARENTAL.** Activates parental controls. You need the remote control to use this option. For more information, see *Your Gateway Remote Control User’s Guide*.

You can use these OSD menus and options to adjust various settings when your computer is connected to your LCD TV.

OSD Menu	Description
ADJUSTMENT 	**CONTRAST.** Adjusts the contrast of the picture. **BRIGHTNESS.** Adjusts the brightness of the picture. You may need to readjust brightness after the LCD TV warms up. **COLOR.** Adjusts the color temperature to three preset modes. You can also customize the red, green and blue separately.
TRACKING 	**AUTO.** Adjusts the screen width to fill the screen or to display one-to-one. **CLOCK.** Adjusts your LCD TV to match the video input source. **PHASE.** Removes any horizontal distortion and clears or sharpens the displayed characters. **H POSITION.** Adjusts the horizontal screen position. **V POSITION.** Adjusts the vertical screen position.

OSD Menu	Description
AUDIO 	**SSM.** Choose between USER, FLAT, MOVIE, MUSIC and SPORTS preset audio modes. **AVL.** Automatic volume leveling keeps volume levels the same between different programs. **MUTE.** Turns the sound on and off. **SRS WOW.** Simulates surround sound. **BALANCE.** Adjusts the balance level between the speakers. **BASS.** Adjusts the bass. The SSM option must be set to USER to use this option. **TREBLE.** Adjusts the treble. The SSM option must be set to USER to use this option.
SETUP 	**LANGUAGE.** Changes the language of the OSD menu. Choose between English, German, French, Spanish, Italian, or Korean. **ASPECT RATIO.** Adjusts the screen width to 1:1, 16:9, 4:3 or PANORAMA viewing mode. **OSD POSITION.** Adjusts the position of the OSD within the display image. **TRANSPARANCY.** Adjusts the OSD menu background transparency. **ZOOM.** Moves or stretches the display image when the screen width is set to FULL mode. **RESET.** Resets picture settings to the factory default.

OSD Menu	Description
PIP/POP/PBP 	**PIP MODE.** Selects the PIP (picture-in-picture) sub-menu. **POP MODE.** Selects the POP (picture-on-picture) sub-menu. **PBP MODE.** Selects the PBP (picture-by-picture) sub-menu.
PIP MODE sub-menu 	**PIP ON/OFF.** Turns PIP mode on or off. When PIP is turned on, you can display two pictures at one time. One picture is displayed on the full screen and the other picture is displayed in a small window. The picture on the full screen is the main picture. The picture in the window is the sub-picture. For information about PIP/POP/PBP video sources, see “Using PIP/POP/PBP” on page 40. **PIP SOURCE.** Changes the video input source of the sub-picture when PIP is turned on. **PIP SIZE.** Changes the size of the sub-picture. **PIP IMAGE.** This option controls CONTRAST, BRIGHTNESS, SHARPNESS, COLOR and TINT for the sub-picture. **PIP SOUND.** Controls the audio of the sub-picture. **PIP SWAP.** Swaps the picture and the sub-picture.

OSD Menu	Description
POP MODE sub-menu 	**POP ON/OFF.** Turns POP mode on or off. When POP is turned on, the screen is split into two pictures. The picture on the left side of your screen is the main picture. The smaller picture on the right side of the screen is the sub-picture. For information about PIP/POP/PBP video sources, see “Using PIP/POP/PBP” on page 40. **POP SOURCE.** Changes the video input source of the sub-picture when POP is turned on. **POP IMAGE.** This option controls: ▪ **POP POSITION.** Moves the sub-picture within the screen. **POP SOUND.** Controls the audio of the sub-picture. **POP SWAP.** Swaps the picture and the sub-picture.
PBP MODE sub-menu 	**PBP ON/OFF.** Turns PBP mode on or off. When PBP is turned on, the screen is split into two equal pictures. The picture on the left side of your screen is the main picture. The picture on the right side of the screen is the sub-picture. For information about PIP/POP/PBP video sources, see “Using PIP/POP/PBP” on page 40. **PBP SOURCE.** Changes the video input source of the sub-picture when PBP is turned on. **PBP IMAGE.** This option controls: ▪ **PBP POSITION.** Moves the sub-picture within the screen. **PBP SOUND.** Controls the audio of the sub-picture. **PBP SWAP.** Swaps the picture and the sub-picture.

Using PIP/POP/PBP

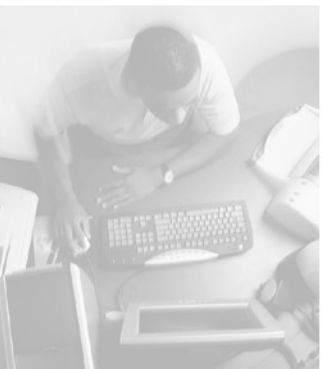
Use the following table to determine what video sources you can select for the main picture and sub-picture when you are using PIP, POP, or PBP modes.

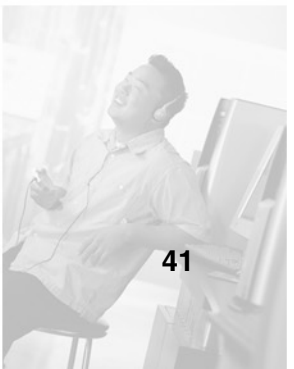
		Sub-Picture						
		TV	CVBS	S-VIDEO	DVD	HDTV	RGB	DVI
Main Picture	TV					X	X	X
	CVBS					X	X	X
	S-VIDEO					X	X	X
	DVD					X	X	X
	HDTV	X	X	X	X			X
	RGB	X	X	X	X			X
	DVI	X	X	X	X		X	

Maintenance and Troubleshooting

4

Read this chapter to learn how to maintain and troubleshoot your LCD TV.





Cleaning and maintenance

Cleaning the screen

- Do not use substances such as glass cleaners, solvents, and thinners.
- The screen of your LCD TV has been specially treated. Wipe the surface gently using only a cleaning cloth or a soft, lint-free cloth.
- If the surface is particular dirty, use a soft cloth and water to clean the screen. Squirt a little water on the cloth (never directly on the screen), then wipe the screen with the cloth.

Warning

The screen of your LCD TV is made of specially coated glass and can be scratched or damaged by abrasive or ammonia-based window cleaners.

Scratches on the bezel or glass are not covered by your warranty.

- Do not scratch or hit the surface of the screen with your fingers or any hard objects.

Cleaning the exterior

- Your LCD TV is cooled by air circulated through the vents on the case, so keep the vents free of dust. With your LCD TV turned off and unplugged, brush the dust away from the vents with a damp cloth. Be careful not to drip any water into the vents. Do not attempt to clean dust from the inside of your LCD TV.
- Do not use abrasive or solvent cleaners because they can damage the finish on components.
- Do not allow any excessive water or moisture to come into contact with the surface of your LCD TV. If water or moisture gets inside your LCD TV, operating problems and electrical and shock hazards may result.
- Do not scratch or hit the cabinet with your fingers or any hard objects.
- Do not place articles made from rubber or PVC near the cabinet for any extended periods of time.

Troubleshooting

Use the following information to solve common problems.

You cannot see a picture

- Make sure that the power cord is plugged into a grounded electrical outlet.
- Make sure that the main power switch and power button are turned on.
- Make sure that the selected video input source is connected to a working component.
- If your LCD TV is connected to your computer in RGB mode, press any key on your keyboard to “wake” your computer.

You see a distorted picture or hear unusual sound

- You may be getting interference from electrical appliances, cars, motorcycles, or fluorescent lights. Try moving your LCD TV to another location.
- Make sure that a DVD player connected to Component DVD Video/Audio in is set to interlaced mode. See the documentation that came with your DVD player.

The color is abnormal

- Make sure that the input source cable is connected securely and correctly to your LCD TV.

The picture has abnormal patterns

- Make sure that the input source cable is attached securely and correctly.
- Make sure that the video input source is within the range of your LCD TV. Compare the video input source’s specifications with your LCD TV specifications.

The display image does not cover the entire screen

- If you are using DVI DIGITAL or DSUB ANALOG mode, make sure that the ASPECT RATIO in the OSD is set correctly.
- If you are using TV, VIDEO1, VIDEO2, DVD, or HDTV modes, make sure that the ASPECT RATIO option in the OSD is set to the screen option you want.

You can see a picture but you cannot hear sound

- Make sure that the volume is not turned down.
- Make sure that the sound is not muted.
- Make sure that your audio input source cables are connected securely and correctly.
- If you did not purchase the optional speakers, you must use headphones or another component that is connected to AV out to hear sound.

The LCD TV has pixels that are always bright, dark, or colored

- Your LCD TV is manufactured using an extremely high level of precision technology. However, sometimes some pixels of your LCD TV may not display correctly. Pixel defects within industry specifications are inherent to this type of product and do not constitute a defective product.

You see "noise" or "trash" on the screen

- When your LCD TV's digital capabilities exceed a digital broadcast signal, the signal is up-converted (increased) to match your LCD TV's display capabilities. Up-converting can cause noise or trash.

Screen brightness is diminished

- Video display devices experience degradation of brightness over the life of the device. Normal brightness degradation is not covered by your warranty.

Telephone support

If this troubleshooting information does not resolve your problem or if you have other questions relating to your LCD TV, visit www.support.gateway.com.

You can also call our Service Center at 888-737-MyGW (6949).

Safety, Regulatory, and Legal Information

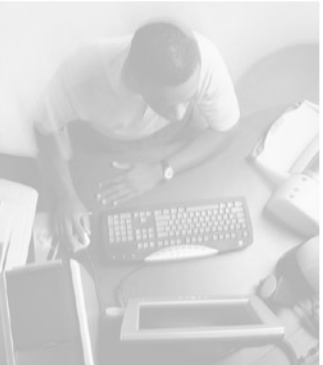
A

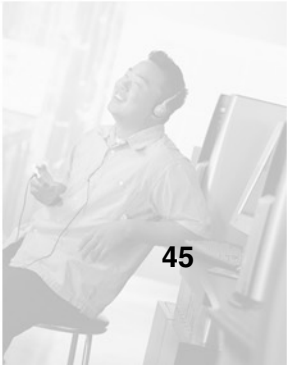
Regulatory compliance statements

United States of America

Federal Communications Commission (FCC)
Unintentional emitter per FCC Part 15

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.





This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment to an outlet on a different circuit from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

Compliance Accessories: The accessories associated with this equipment are: shielded video cable when an external monitor is connected. These accessories are required to be used in order to ensure compliance with FCC rules.

FCC declaration of conformity

Responsible party:

Gateway Companies, Inc.
610 Gateway Drive, North Sioux City, SD 57049
(605) 232-2000 Fax: (605) 232-2023

Product:

- GTW-L30M103 LCD TV

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution

Changes or modifications not expressly approved by Gateway could void the FCC compliance and negate your authority to operate the product.

Canada

Industry Canada (IC)
Unintentional emitter per ICES-003

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of Industry Canada.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le règlement sur le brouillage radioélectrique édicté par Industrie Canada.

California Proposition 65 Warning

Warning

This product contains chemicals, including lead, known to the State of California to cause cancer and/or birth defects or reproductive harm.

Television antenna connectors protection (for systems fitted with TV/cable TV tuner cards)

External television antenna grounding

If an outside antenna or cable system is to be connected to your Gateway PC, make sure that the antenna or cable system is electrically grounded to provide some protection against voltage surges and static charges.

Article 810 of the National Electrical Code, ANSI/NFPSA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Lightning protection

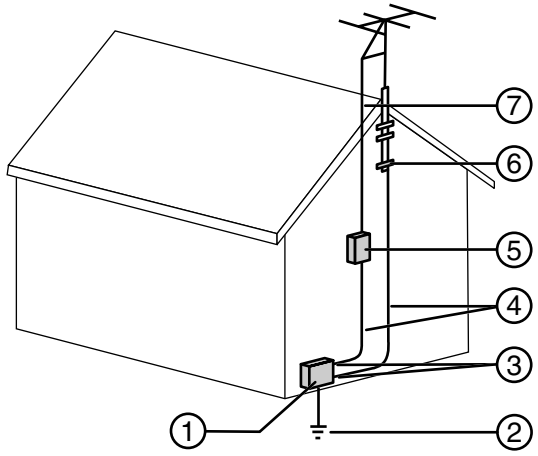
For added protection of any Gateway product during a lightning storm or when it is left unattended or unused for long periods of time, unplug the product from the wall outlet and disconnect the antenna or cable system.

Power lines

Do not locate the antenna near overhead light or power circuits, or where it could fall into such power lines or circuits.

Warning

When installing or realigning an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits. Contact with them could be fatal.



Antenna and satellite grounding

Reference	Grounding component
1	Electric service equipment
2	Power service grounding electrode system (NEC Art 250, Part H)
3	Ground clamps
4	Grounding conductors (NEC Section 810-21)
5	Antenna discharge unit (NEC Section 810-20)
6	Ground clamp
7	Antenna lead-in wire

Notices

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Poway, CA 92064 USA

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